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ABSTRACT OF THE DISCLOSURE

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The present invention provides isolated nucleic acids encoding full-length human estrogen receptor- β (hER β), which comprises 530 amino acids. The invention also provides isolated hER β polypeptides and hER β -reactive antibodies, including those that specifically recognize amino acids 1-45 of hER β . The invention also encompasses methods for identifying hER β -interactive compounds, including agonists, antagonists, and co-activators.